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Please amend the above-identified application as follows:

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claim 1 (canceled)

Claim 2 (canceled)

Claim 2 (previously presented) The method according to Claim 22 in which the analyte comprises a nucleic acid.

Claim (previously presented) The method according to Claim 4 in which the method is an immuno-affinity assay.

Claim 5 (previously presented) The method according to Claim 42 in which the analyte determination is performed or effected in a volume of less than 1 µ1.

Claim 6 (canceled)

Claim 7 (canceled)

Claim 8 (canceled)

Claim 9 (canceled)

Claim 10 (previously presented) The method according to Claim 42 in which the labeled

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competitive substance is a fluorescent labeled reagent.

- Claim 17 (previously presented) The method according to Claim 42 in which the sample is in a liquid phase.
- Claim 12 (previously presented) The method according to Claim 22 in which the solid phase is formed on a wall of a well in a sample carrier.
- Claim 12 (previously presented) The method according to Claim 12 in which the carrier is a micro-titre or nano-titre plate.
- Claim 14 (previously presented) The method according to Claim 12 in which the well has a quadratic, cylindrical, truncated pyramid or truncated cone shape.
- Claim 16 (previously presented) The method according to Claim 12 in which the well has an aperture area and a floor area, the aperture area being smaller than the floor area.
- Claim 16 (previously presented) The method according to Claim 16 in which the well has a truncated pyramid or truncated cone shape.

Claims 17 – 18 (canceled)

Claim 19 (previously presented) The method according to Claim 12 in which the measurement signal is obtained by spatially staggered measurement.

Claim 20 (canceled)

Claim 21 (previously presented) The method according to Claim 22 in which a light beam is used to excite the sample, said light beam having a diameter of less than 40 μ m.

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Claim 22 (canceled)

(previously presented) The method according to Claim 21 in which a laser provides the light beam.

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Claims 24 – 32 (canceled)

Claim 33 (previously presented) The method according to Claim 5 in which the volume is in the range of 50 to 100 nl.

Claim 34 (previously presented) The method according to Claim 12 in which the sample carrier is a nano-titre plate.

(previously presented) The method according to Claim 12 in which the quenching substance is a metal, dye or fluorescence-quenching substance.

Claim 36 (previously presented) The method according to Claim 23 in which the light beam has a diameter of about 20 μ m.

Claims 37 – 41 (canceled)

Claim 42 (previously presented) A method for quantitative or qualitative determination of an analyte comprising: predetermined amount of (a) incubating a sample containing the analyte with a labeled competitive substance and a solid phase coated with a quenching substance, wherein the solid phase further comprises an analyte-specific bonding partner immobilized thereto, such that the analyte and the labeled competitive substance compete for binding to the analyte-specific bonding partner, wherein the quenching substance suppresses signal from the labeled competitive

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substance bound to the solid phase;

- (b) exciting the sample so as to generate signal from unbound labeled competitive substance; and
- (c) measuring the signal only generated from the unbound labeled competitive substance segment in a defined volume of liquid phase, thereby quantitatively or qualitatively determining the analyte, wherein the determination of the analyte is performed or effected without physically separating the unbound and bound labeled competitive substance.
- Claim 43 (previously presented) The method according to Claim 42, wherein the quenching substance is gold, silver or graphite.
- 3 Claim 42 (previously presented) The method according to Claim 42, wherein the labeled competitive substance is selected from the group consisting of antigen, antibody, nucleic acid, ligand or receptor.

Claims 45-59 (canceled)

- Claim 60 (previously presented) A method for qualitative determination of an analyte comprising:
 - (a) incubating a sample containing the analyte with a labeled competitive substance and a solid phase coated with a quenching substance, wherein the solid phase further comprises an analyte-specific bonding partner immobilized thereto, such that the analyte and the labeled competitive substance compete for binding to the analyte-specific bonding partner, wherein the quenching substance suppresses signal from the labeled competitive substance bound to the solid phase;
 - (b) exciting the sample so as to generate signal from unbound labeled competitive substance; and
 - (c) measuring the signal only generated from the unbound labeled competitive substance, thereby qualitatively determining the analyte, wherein the determination of the analyte is

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performed or effected without physically separating the unbound and bound labeled competitive substance.

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- Claim 61 (previously presented) The method according to Claim 60, wherein the signal generated from the unbound labeled competitive substance is measured in afterined volume of liquid phase.
- Claim 62 (new) The method according to Claim 60 in which the analyte comprises a nucleic acid.
- Claim 63 (new) The method according to Claim 69, wherein the labeled competitive substance is selected from the group consisting of antigen, antibody, nucleic acid, ligand or receptor.
 - 26 Claim 64 (new) The method according to Claim 65 in which the method is an immuno-affinity assay.
- 27 Claim 65 (new) The method according to Claim 60 in which the analyte determination is performed or effected in a volume of less than 1 μl.
- Claim 66 (new) The method according to Claim 60 in which the labeled competitive substance is a fluorescent labeled reagent.
- 30 Claim (new) The method according to Claim of in which the sample is in a liquid phase.
- 31 Claim 68 (new) The method according to Claim 66 in which the solid phase is formed on a wall of a well in a sample carrier.

Claim 59 (new) The method according to Claim 68 in which the sample carrier is a micro-titre or nano-titre plate.

34 Claim 26 (new) The method according to Claim 68 in which the well has a quadratic, cylindrical, truncated pyramid or truncated cone shape.

Claim M (new) The method according to Claim 68 in which the well has an aperture area and a floor area, the aperture area being smaller than the floor area.

Claim 12 (new) The method according to Claim 24 in which the well has a truncated pyramid or truncated cone shape.

Claim 73 (new) The method according to Claim 66 in which the measurement signal is obtained by spatially staggered measurement.

Claim \mathcal{M} (new) The method according to Claim 60 in which a light beam is used to excite the sample, said light beam having a diameter of less than 40 μ m.

39 Claim 15 (new) The method according to Claim 24 in which a laser provides the light beam.

Claim 6 (new) The method according to Claim 65 in which the volume is in the range of 50 to 100 nl.

Claim M (new) The method according to Claim 69 in which the sample carrier is a nano-titre plate.

Claim 18 (new) The method according to Claim of in which the quenching substance is a metal, dye or fluorescence-quenching substance.

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Claim 29 (new) The method according to Claim 75 in which the light beam has a diameter of about 20 μm.

Claim & (new) The method according to Claim 60, wherein the quenching substance is gold, silver or graphite.